GenCore version 4.5

OM protein - protein search, using sw model

Run on: August 28, 2002, 17:39:04 ; Search time 79.38 Seconds
(without alignments)
643.395 Million cell updates/sec

Title: US-09-502-984B-6
Perfect score: 1098
Sequence: 1 KFESKAALLAARGPEELLCF.....AEPSFGGFWSAWSEPVSLLT 211

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 747981 seqs, 242050750 residues

Total number of hits satisfying chosen parameters: 747981

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_AA_New:*
1: /cgn2_6/ptodata/1/paa/PCT_NEW_COMB.pep:*
2: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pep:*
3: /cgn2_6/ptodata/1/paa/US07_NEW_COMB.pep:*
4: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:*
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7: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1098	100.0	211	5	US-09-502-984B-6	Sequence 6, Appli
2	1098	100.0	249	5	US-09-502-984B-37	Sequence 37, Appl
3	1080	98.4	211	5	US-09-502-984B-5	Sequence 5, Appli
4	1078	98.2	211	5	US-09-502-984B-4	Sequence 4, Appli
5	1075	97.9	211	5	US-09-502-984B-9	Sequence 9, Appli
6	1073	97.7	211	5	US-09-502-984B-13	Sequence 13, Appl
7	1073	97.7	211	5	US-09-502-984B-14	Sequence 14, Appl
8	1073	97.7	211	5	US-09-502-984B-15	Sequence 15, Appl
9	1070	97.4	211	5	US-09-502-984B-7	Sequence 7, Appli
10	1070	97.4	211	5	US-09-502-984B-17	Sequence 17, Appl
11	1066	97.1	211	5	US-09-502-984B-16	Sequence 16, Appl
12	1064	96.9	211	5	US-09-502-984B-11	Sequence 11, Appl
13	1061	96.6	211	5	US-09-502-984B-12	Sequence 12, Appl
14	1060	96.5	211	5	US-09-502-984B-2	Sequence 2, Appli
15	1060	96.5	211	5	US-09-502-984B-10	Sequence 10, Appl
16	1060	96.5	211	5	US-09-791-537-86927	Sequence 86927, A
17	1060	96.5	213	5	US-09-791-537-67299	Sequence 67299, A
18	1060	96.5	215	5	US-09-791-537-105911	Sequence 105911,
19	1060	96.5	225	5	US-09-502-984B-1	Sequence 1, Appli
20	1060	96.5	508	5	US-09-791-537-99806	Sequence 99806, A
21	1059.5	96.5	212	5	US-09-502-984B-3	Sequence 3, Appli
22	1053	95.9	211	5	US-09-502-984B-8	Sequence 8, Appli
23	1048	95.4	211	5	US-09-502-984B-18	Sequence 18, Appl
24	1043	95.0	227	5	US-09-791-537-68105	Sequence 68105, A
25	1043	95.0	228	5	US-09-791-537-38134	Sequence 38134, A
26	1039	94.6	211	5	US-09-502-984B-19	Sequence 19, Appl
27	1034	94.2	211	5	US-09-502-984B-20	Sequence 20, Appl
28	1025	93.4	211	5	US-09-502-984B-21	Sequence 21, Appl
29	1025	93.4	211	5	US-09-502-984B-24	Sequence 24, Appl
30	1024	93.3	211	5	US-09-502-984B-25	Sequence 25, Appl
31	1022	93.1	211	5	US-09-502-984B-23	Sequence 23, Appl
32	1020	92.9	211	5	US-09-502-984B-22	Sequence 22, Appl
33	1020	92.9	211	5	US-09-502-984B-26	Sequence 26, Appl
34	1019	92.8	211	5	US-09-502-984B-28	Sequence 28, Appl
35	1009	91.9	211	5	US-09-502-984B-27	Sequence 27, Appl
36	997	90.8	211	5	US-09-502-984B-29	Sequence 29, Appl
37	877.5	79.9	316	5	US-09-791-537-55613	Sequence 55613, A
38	877.5	79.9	507	5	US-09-791-537-9845	Sequence 9845, Ap
39	869.5	79.2	265	5	US-09-791-537-4913	Sequence 4913, Ap
40	869.5	79.2	507	5	US-09-791-537-1440	Sequence 1440, Ap
41	869.5	79.2	507	5	US-09-791-537-126514	Sequence 126514,
42	782	71.2	229	5	US-09-791-537-40030	Sequence 40030, A
43	778	70.9	229	5	US-09-791-537-40031	Sequence 40031, A
44	171	15.6	625	6	US-10-099-895-34	Sequence 34, Appl
45	168	15.3	56	6	US-10-206-002-710	Sequence 710, App

ALIGNMENTS

RESULT 1
US-09-502-984B-6
; Sequence 6, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-6

Query Match 100.0%; Score 1098; DB 5; Length 211;
Best Local Similarity 100.0%; Pred. No. 7e-104;
Matches 211; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db       1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60

Qy      61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120

Qy     121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180

Qy     181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
          |||||||||||||||||||||||||||||||
Db     181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
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RESULT 2
US-09-502-984B-37
; Sequence 37, Application US/09502984B
; GENERAL INFORMATION:

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;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
;   LENGTH: 249
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  synthetic
US-09-502-984B-37


  Query Match            100.0%;  Score 1098;  DB 5;  Length 249;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-104;
  Matches  211;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
          |||||||||||||||||||||||||||||||
Db    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211


RESULT   3
US-09-502-984B-5
; Sequence 5, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-5


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  Best Local Similarity   97.2%;  Pred. No. 4.8e-102;
  Matches  205;  Conservative    6;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
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Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
          ||||||||:|||||||||||||||:|||||||||:||||||||:|||||||||||||||||
Db     61 HQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLVA 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
          |||||||||||||||||||||||||||||||
Db    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211


RESULT   4
US-09-502-984B-4
; Sequence 4, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-4


  Query Match            98.2%;  Score 1078;  DB 5;  Length 211;
  Best Local Similarity   96.7%;  Pred. No. 7.7e-102;
  Matches  204;  Conservative    5;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120

Qy    121 RLADESGHVVLRWLPPPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGR 180
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Db    121 RLADESGHVVLRWLPPPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
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Db    181 TRYTFAVRARMAEPSFGGFWSAWSEPVSLLT 211


RESULT   5
US-09-502-984B-9
; Sequence 9, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 9
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-9


  Query Match             97.9%;  Score 1075;  DB 5;  Length 211;
  Best Local Similarity   96.2%;  Pred. No. 1.6e-101;
  Matches  203;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
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Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
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Db     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRYHRVIHINEVVLLDAPVGLVA 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
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Db    121 RLADESGHVVLRWLPPPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
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Db    181 TRYTFAVRARMAEPSFGGFWSAWSEPVSLLT 211


RESULT   6
US-09-502-984B-13
; Sequence 13, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-13


  Query Match             97.7%;  Score 1073;  DB 5;  Length 211;
  Best Local Similarity   96.2%;  Pred. No. 2.5e-101;
  Matches  203;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
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Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
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Db     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
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Db    121 RLADESGHVVLRWLPPPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
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Db    181 TRYTFAVRARMAEPSFGGFWSAWSEPVSLLT 211


RESULT   7
US-09-502-984B-14
; Sequence 14, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-14


  Query Match             97.7%;  Score 1073;  DB 5;  Length 211;
  Best Local Similarity   96.2%;  Pred. No. 2.5e-101;
  Matches  203;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
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Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
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Db     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
          ||||||||||:|||||||||||||||:|:|:|||||||||||||:|||||||||||||||
Db    121 RLADESGHVVLRWLPPPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
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Db    181 TRYTFAVRARMAEPSFGGFWSAWSEPVSLLT 211


RESULT   8
US-09-502-984B-15
; Sequence 15, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-15


  Query Match             97.7%;  Score 1073;  DB 5;  Length 211;
  Best Local Similarity   96.2%;  Pred. No. 2.5e-101;
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  Matches  203;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
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Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
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Db     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
          ||||||||||:|||||||||||||||:|:|:|||||||||||||:|||||||||||||||
Db    121 RLADESGHVVLRWLPPPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
          || | ||||||||||||||||||||||||||||
Db    181 TRYTFAVRARMAEPSFGGFWSAWSEPVSLLT 211


RESULT   9
US-09-502-984B-7
; Sequence 7, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-7


  Query Match           97.4%;  Score 1070;  DB 5;  Length 211;
  Best Local Similarity   95.7%;  Pred. No. 5e-101;
  Matches  202;  Conservative    7;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
          ||||||||||||||||||||||||||||||:||||||||||||||||||||||||||||||
Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
          ||||||||||||||||||||||||||||||:||||||||||||||||||||||||||||||
Db     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRVTAASGAPRFHRVIHINEVVLLDAPVGLVA 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
          ||||||||||:|||||||||||||||:|:|:|||||||||||||:|||||||||||||||
Db    121 RLADESGHVVLRWLPPPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
          || | ||||||||||||||||||||||||||||
Db    181 TRYTFAVRARMAEPSFGGFWSAWSEPVSLLT 211


RESULT  10
US-09-502-984B-17
; Sequence 17, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-17


  Query Match           97.4%;  Score 1070;  DB 5;  Length 211;
  Best Local Similarity   94.3%;  Pred. No. 5e-101;
  Matches  199;  Conservative   12;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
          ||||||||||||||||||||||||||||||:|||||||||||||:|||:||||||||||||
Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
          |||||||||:|||||||||||||||||||:||||||:|||||||||||||||||||:||||
Db     61 HQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGIVA 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
          ||||||||:||||||||||||||||:||||||||||||||:|||||||||||||||||||
Db    121 RLADESGHIVIRWLPPPETPMTSHIRFEIDISAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
          ||||:|:||||||||||||||||||||||||
Db    181 TRITLAIRARMAEPSFGGFWSAWSEPVSLLT 211


RESULT  11
US-09-502-984B-16
; Sequence 16, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-16


  Query Match           97.1%;  Score 1066;  DB 5;  Length 211;
  Best Local Similarity   93.8%;  Pred. No. 1.3e-100;
  Matches  198;  Conservative   12;  Mismatches    1;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
          ||||||||||||||||||||||||||||||:|||||||||||||:|||:||||||||||||
Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
          |||||||||:|||||||||||||||||||:||||||:|||||||||||||||||||:||||
Db     61 HQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGIVV 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
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          ||||||||:||||||||||||||||||||:||||||||||||||:||||||||||||||
Db    121 RLADESGHIVIRWLPPPETPMTSHIRFEIDISAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
          ||||||:||||||||||||||||||||:||
Db    181 TRITIAIRARMAEPSFGGFWSAWSEPVSILT 211


RESULT  12
US-09-502-984B-11
; Sequence 11, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-11


  Query Match             96.9%;  Score 1064;  DB 5;  Length 211;
  Best Local Similarity   94.3%;  Pred. No. 2.1e-100;
  Matches  199;  Conservative   10;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
          ||||||||||||||||||||||||||||||:||||||||||||:|||:||||||||||||
Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
          |||||||||:||||||||||||||||||:||||||||:||||||||||||||||||||
Db     61 HQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLVA 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
          ||||||||||:||||||||||||||||||:||||||||||||||:||||||||||||||
Db    121 RLADESGHVVLRWLPPPETPMTSHIRFEIDISAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
          || |:||||||||||||||||||||| ||
Db    181 TRYTVAVRARMAEPSFGGFWSAWSEPVSFLT 211


RESULT  13
US-09-502-984B-12
; Sequence 12, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER:.US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-12


  Query Match             96.6%;  Score 1061;  DB 5;  Length 211;
  Best Local Similarity   94.3%;  Pred. No. 4.2e-100;
  Matches  199;  Conservative   10;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
          ||||||||||||||||||||||||||||||:||||||||||||:|||:||||||||||||
Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
          |||||||||:||||||||||||||||||:||||||||:||||||||||||||||||||
Db     61 HQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLVA 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
          ||||||||||:||||||||||||||||||:||||||||||||||:||||||||||||||
Db    121 RLADESGHVVLRWLPPPETPMTSHIRFEIDISAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
          || | |||||||||||||||||||||||||:||
Db    181 TRFTFAVRARMAEPSFGGFWSAWSEPVSILT 211


RESULT  14
US-09-502-984B-2
; Sequence 2, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-502-984B-2


  Query Match             96.5%;  Score 1060;  DB 5;  Length 211;
  Best Local Similarity   93.8%;  Pred. No. 5.3e-100;
  Matches  198;  Conservative   11;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
          ||||||||||||||||||||||||||||||:||||||||||||:|||:||||||||||||
Db      1 KFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRL 60

Qy     61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
          |||||||||:||||||||||||||||||:||||||||:||||||||||||||||||||
Db     61 HQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLVA 120

Qy    121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
          ||||||||||:|||||||||||||||||:|:|:||||||||||||:||||||||||||||
Db    121 RLADESGHVVLRWLPPPETPMTSHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy    181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
          || | |||||||||||||||||||||||||||
Db    181 TRYTFAVRARMAEPSFGGFWSAWSEPVSLLT 211


RESULT  15
US-09-502-984B-10
; Sequence 10, Application US/09502984B
; GENERAL INFORMATION:
;  APPLICANT: Luo, Peizhi
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;  TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
;  FILE REFERENCE: A-68126-1/RFT/RMS/RMK
;  CURRENT APPLICATION NUMBER: US/09/502,984B
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER: 60/120,009
;  PRIOR FILING DATE: 1999-02-11
;  PRIOR APPLICATION NUMBER: 60/131,674
;  PRIOR FILING DATE: 1999-04-29
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
;   LENGTH: 211
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-10^


  Query Match             96.5%;  Score 1060;  DB 5;  Length 211;
  Best Local Similarity   93.8%;  Pred. No. 5.3e-100;
  Matches  198;  Conservative   11;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1 KFESKAALLAARGPEELLCFTERLEDLVCFFEEAASAGVGPGNFSFSFQLEDEPWKLCRL 60
           |||||||||||||||||||||||||||||:|||||||||||:|||:|||||||||||
Db       1 KFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGNYSFSYQLEDEPWKLCRL 60

Qy      61 HQAPTARGAIRFWCSLPTADTSSFVPLELRLTAASGAPRFHRVIHINEVVLLDAPVGLVA 120
           |||||||||:|||||||||||||||||||:||||||||:||||||||||||||||||||
Db      61 HQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLVA 120

Qy     121 RLADESGHVVIRWLPPPETPMTSHIRFELDISAGNGAGSVQRVELLEGRTECVLSNLRGR 180
           ||||||||||:|||||||||||||||:|:|||||||||||||||:||||||||||||||
Db     121 RLADESGHVVLRWLPPPETPMTSHIRWEIDISAGNGAGSVQRVEILEGRTECVLSNLRGR 180

Qy     181 TRITIAVRARMAEPSFGGFWSAWSEPVSLLT 211
           || |:|||||||||||||||||||||||| ||
Db     181 TRFTVAVRARMAEPSFGGFWSAWSEPVSFLT 211


Search completed: August 28, 2002, 17:39:04
Job time: 550 sec
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